	MW	mol% Ex1	mol% Ex2	mol% Ex3	mol% Ex4	mol% Ex5	mol% Ex6	mol% Ex7	mol% Ex8	mol% Ex9	mol% Ex10	wt% Ex 1	wt% Ex 2	wt% Ex3	wt% Ex4	wt% Ex5	wt% Ex6	wt% Ex7	wt% Ex8	wt% Ex9	wt% Ex10	
Ca(PO3	198	0.9	0.8	14.7	0.9	2.0	0.8	1.9	2.0	2.0	2.0	1.0	1.0	18.3	1.0	2.4	1.0	2.4	2.4	2.4	2.4	Ca(PO3)2
Ba(PO3	295	5.9	8.5	3.0	9.0	8.1	8.2	7.7	8.0	7.9	10.1	9.9	15.7	5.6	14.8	14.1	14.5	14.1	14.1	13.9	17.6	Ba(PO3)2
Al(PO3)	264	23.5	17.0	7.9	16.0	15.1	16.6	14.6	15.0	14.8	15.1	35.3	28.2	13.2	23.7	23.7	26.1	23.9	23.7	23.3	23.6	Al(PO3)3
MgF2	62	18.5	30.2	20.2	12.7	10.1	22.4	26.8	17.0	14.9	10.1	6.5	11.7	7.9	4.4	3.7	8.3	10.3	6.3	5.5	3.7	MgF2
F2	38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											F2
CaF2	78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											CaF2
BaF2	175	18.4	7.0	15.9	24.5	15.1	16.6	13.6	14.0	13.9	1.8	18.3	7.7	17.5	24.0	15.7	17.3	14.8	14.7	14.5	1.8	BaF2
SrF2	126	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6										12.4	SrF2
MgO	40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											MgO
CaO	56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											CaO
SrO	104	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											SrO
BaO	153	31.7	35.5	37.2	35.7	35.0	33.8	34.0	35.3	35.0	35.5	27.6	34.2	36.0	30.6	31.8	30.9	32.5	32.4	31.9	32.2	BaO
AlF3	84	0.0	0.0	0.0	0.0	13.1	0.0	0.0	5.0	5.0	5.0					6.5			2.5	2.5	2.5	AlF3
PbO	224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											PbO
ZrO2	122	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											ZrO2
YF3	146	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	5.3	2.7								2.3	4.6	2.3	YF3
CeO2	172	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											CeO2
SbO2	153	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											SbO2
SnO2	151	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											SnO2
MoO3	146	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											MoO3
Fe2O3	160	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											Fe2O3
Pr2O3	330	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											Pr2O3
La2O3	326	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											La2O3
Y2O3	226	1.2	1.1	1.1	1.2	1.5	1.5	1.4	1.1	1.1	1.1	1.5	1.5	1.5	1.5	2.0	2.0	2.0	1.5	1.5	1.5	Y2O3
Er2O3	380	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											Er2O3
Dy2O3	376	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											Dy2O3
Ta2O5	442	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											Ta2O5
Nb2O3	234	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											Nb2O3
Nd2O3	332	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											Nd2O3
CuO	79	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											CuO
CoO	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											CoO
NiO	74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											NiO
MnO2	87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											MnO2
F2	38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											F2
As2O3	198	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											As2O3
SO3	80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											SO3
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

1, 6, 8, 9, 16-20 22-24

	MW	mol% Ex11	mol% Ex212	mol% Ex313	mol% Ex414	mol% Ex515	mol% Ex616	mol% Ex717	mol% Ex818	mol% Ex919	mol% Ex10	wt% Ex 1	wt% Ex 2	wt% Ex3	wt% Ex4	wt% Ex5	wt% Ex6	wt% Ex7	wt% Ex8	wt% Ex9	wt% Ex10	
Ca(PO3	198	2.0	2.0	2.1	2.1	2.0	2.1	2.0	2.1	1.9	2.0	2.4	2.2	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	Ca(PO3)2
Ba(PO3	295	8.3	7.9	8.1	8.2	8.0	8.0	8.0	8.0	4.5	7.9	14.6	13.2	13.9	13.6	13.9	13.6	13.8	13.8	8.1	14.1	Ba(PO3)2
Al(PO3)	264	15.5	14.8	15.2	15.4	15.0	15.0	15.0	15.0	8.1	14.7	24.5	22.1	23.3	22.8	23.3	22.7	23.2	23.1	13.0	23.5	Al(PO3)3
MgF2	62	10.0	5.7	17.4	14.4	15.1	10.1	17.0	10.1	6.6	19.4	3.7	2.0	6.2	5.0	5.5	3.6	6.2	3.6	2.5	7.3	MgF2
Mg(PO3	182	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5	0.0									19.5		Mg(PO3)2
CaF2	78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											CaF2
BaF2	175	1.9	24.7	14.3	16.5	16.0	18.0	18.0	14.0	13.4	13.8	2.0	24.6	14.5	16.2	16.5	18.1	18.5	14.3	14.3	14.6	BaF2
SrF2	126	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.9										SrF2
MgO	40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											MgO
CaO	56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											CaO
SrO	104	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											SrO
BaO	153	29.3	32.2	37.8	36.1	36.8	34.8	29.9	39.9	33.9	35.5	26.8	28.0	33.6	31.0	33.3	30.7	26.9	35.7	31.8	33.0	BaO
AlF3	84	5.0	9.9	5.1	7.2	5.1	8.0	5.1	9.0	12.7	4.9	2.5	4.7	2.5	3.4	2.5	3.9	2.5	4.4	6.5	2.5	AlF3
PbO	224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											PbO
ZrO2	122	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											ZrO2
YF3	146	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											YF3
CeO2	172	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											CeO2
SbO2	153	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											SbO2
SnO2	151	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											SnO2
MoO3	146	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											MoO3
Fe2O3	160	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											Fe2O3
Pr2O3	330	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											Pr2O3
La2O3	326	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											La2O3
Y2O3	226	4.1	3.0	0.0	0.0	2.0	4.0	5.0	2.0	1.4	2.0	5.6	3.8			2.7	5.2	6.6	2.7	2.0	2.7	Y2O3
Er2O3	380	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											Er2O3
Dy2O3	376	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											Dy2O3
Ta2O5	442	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											Ta2O5
Nb2O3	234	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											Nb2O3
Nd2O3	332	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											Nd2O3
CuO	79	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											CuO
CoO	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											CoO
ZnO	81	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											ZnO
MnO2	87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											MnO2
F2	38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											F2
As2O3	198	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											As2O3
SO3	80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											SO3
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.5	96.4	94.4	100.0	100.0	100.0	100.0	100.0	100.0	

	MW	mol% Ex1	mol% Ex2	mol% Ex3	mol% Ex4	mol% Ex5	mol% Ex6	mol% Ex7	mol% Ex8	mol% Ex9	mol% Ex10	wt% Ex 1	wt% Ex 2	wt% Ex3	wt% Ex4	wt% Ex5	wt% Ex6	wt% Ex7	wt% Ex8	wt% Ex9	wt% Ex10	
Ca(PO3	198	5.0	2.0	4.8	5.0	2.0	2.0	2.0	2.0	2.0	2.0	6.3	2.2	5.4	5.5	2.3	2.3	2.1	2.3	2.2	2.1	Ca(PO3)2
Ba(PO3	295	5.0	8.0	6.8	6.0	8.0	8.0	8.0	8.0	8.0	8.0	9.4	13.2	11.2	9.8	13.7	13.5	12.7	13.5	13.1	12.7	Ba(PO3)2
Al(PO3)	264	10.0	15.1	13.5	12.1	15.0	15.0	15.0	15.0	15.0	15.0	16.8	22.1	20.0	17.6	22.9	22.6	21.2	22.6	21.9	21.2	Al(PO3)3
MgF2	62	9.5	18.1	14.5	10.1	15.0	15.0	15.1	15.0	15.0	15.1	3.7	6.3	5.1	3.5	5.4	5.3	5.0	5.3	5.2	5.0	MgF2
Mg(PO3	182	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											Mg(PO3)2
CaF2	78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											CaF2
BaF2	175	20.1	30.1	31.9	33.1	16.0	16.0	16.0	16.0	16.0	16.0	22.3	29.3	31.3	32.1	16.3	16.0	15.0	16.0	15.5	15.0	BaF2
SrF2	126	10.0	0.0	9.6	10.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0		6.8	7.0							SrF2
MgO	40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											MgO
CaO	56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											CaO
SrO	104	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											SrO
BaO	153	20.3	20.0	12.4	16.0	32.9	29.0	13.0	31.9	26.9	22.0	19.7	17.0	10.6	13.6	29.2	25.3	10.7	27.9	22.8	18.1	BaO
AlF3	84	8.3	0.0	0.0	0.0	5.1	5.0	5.0	5.0	5.0	5.0	4.4				2.5	2.4	2.3	2.4	2.3	2.3	AlF3
PbO	224	0.0	0.0	0.0	0.0	4.0	8.0	23.9	0.0	0.0	0.0					5.2	10.2	28.7				PbO
ZrO2	122	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											ZrO2
YF3	146	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											YF3
CeO2	172	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											CeO2
SbO2	153	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											SbO2
SnO2	151	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											SnO2
MoO3	146	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											MoO3
Yb2O3	394	1.7	1.7	1.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	4.2	3.6	3.6	3.6							Yb2O3
Pr2O3	330	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											Pr2O3
La2O3	326	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											La2O3
Y2O3	226	0.0	5.0	4.8	6.0	2.0	2.0	2.0	2.0	2.0	2.0		6.3	6.1	7.5	2.6	2.6	2.4	2.6	2.5	2.4	Y2O3
Er2O3	380	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											Er2O3
Dy2O3	376	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											Dy2O3
Ta2O5	442	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											Ta2O5
Nb2O5	266	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	10.0	15.0								7.6	14.7	21.3	Nb2O5
Nd2O3	332	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											Nd2O3
CuO	79	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											CuO
CoO	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											CoO
ZnO	81	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2										ZnO
MnO2	87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											MnO2
F2	38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											F2
As2O3	198	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											As2O3
SO3	80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											SO3
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.1	100.0	100.0	100.0	100.0	100.0	100.0	